

Technical Description
SATCOM Antenna System Demonstration

The Boeing Company

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JUSTIFICATION:

SATCOM Antenna System

E4-B Contract Number: FA8106-16-D-0002

The test will be conducted at the Inmarsat Lino Lakes MN teleport facility. Boeing is requesting to transmit Earth-to-Space on 30-31 GHz, and Space-to-Earth on 20.2-21.2 GHz.

Manufacturer:	CCT-120
Model:	1.2 meter
Frequencies:	30-31 GHz
ERP:	794,328W
Emissions:	6M30M1D 7M60M1D 12M3M1D 20M2M1D 24M6M1D 4M80M1D 10M8M1D 20M0M1D 20M7M1D 24M2M1D

I5-F2 –Downlink

Frequencies:	20.2-21.2 GHz
ERP:	602,560W
Emissions:	24M5M1D

38M4M1D
44M4M1D
60M0M1D
99M9M1D

LOCATIONS

Location: Lino Lakes, MN
Lat/Lon: 45-08-03N 93-05-45W
Station Class FX

POINT OF COMMUNICATION: INMARSAT-5 F2

Stop Buzzer for Operation:

Boeing 24 hour NOC hotline: **(855) 556-1001**

email: bcssnoc@boeing.com

or Rick Jones cell **(253) 350-2801**